

1029-04

10:03AM

FROM-MERCHANT &amp; GOULD P.C.

206-342-6201

T-349 P.005/006 F-971

Complete and send this form, together with applicable fee(s), to: Mail  
OCT 29 2004Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23552 7590 09/13/2004

MERCHANT & GOULD PC  
P.O. BOX 2903  
MINNEAPOLIS, MN 55402-0903

11/01/2004 AKELECH2 00000001 132725 10658505

01 FC:1501 1370.00 DA  
02 FC:8001 3.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**  
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Brett A. Hertzberg

(Depositor's name)

*Brett A. Hertzberg*

(Signature)

October 29, 2004

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,505	09/09/2003	Steven Michael Barow	50019.253US01/P05299	1781

TITLE OF INVENTION: TWO COMPARATOR VOLTAGE MODE PWM

Adjustment date: 11/05/2004 AKELECH2  
11/01/2004 AKELECH2 00000001 132725 10658505  
02 FC:8001 3.00 CR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330 / 1370	\$0	\$1330 / 1370	12/13/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
WELLS, KENNETH B	2816	327-172000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Brett A. Hertzberg

2 Merchant &amp; Gould PC

3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

National Semiconductor Corporation

Santa Clara, California

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 13-2725 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(d)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *Brett A. Hertzberg*

Date October 29, 2004

Typed or printed name Brett A. Hertzberg

Registration No. 42,660

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# Merchant & Gould

An Intellectual Property Law Firm

3200 IDS Center  
80 South Eighth Street  
Minneapolis, Minnesota  
55402-2215 USA  
TEL 612.332.5300  
FAX 612.332.9081  
[www.merchant-gould.com](http://www.merchant-gould.com)

A Professional Corporation

Fax Transmission | October 29, 2004

TO: Commissioner for Patents  
ATTN: ISSUE FEE  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

FROM: Brett A. Hertzberg  
 OUR REF: 50019.253US01/P05299  
 TELEPHONE: 206-342-6255

Total pages, including cover letter: 6

PTO FAX NUMBER 1-703-746-4000

If you do NOT receive all of the pages, please telephone us at 206.342-6200, or fax us at 206.342.6201.

Documents Transmitted: Transmittal (in duplicate) Part B-Fee(s) Transmittal (in duplicate); Fee Address Indication Form; Charge Deposit Account No. 13-2725 in the amount of \$1,400.00 for Issue fee, plus 10 patent copies

Title: TWO COMPARATOR VOLTAGE MODE PWM  
 Applicant: Steven Michael Barrow et al.  
 Serial No.: 10/658.505  
 Filed: September 9, 2003  
 Group Art Unit: 2816  
 Our Ref. No.: 50019.253US01/P05299  
 Confirmation No. 1781

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Dated: 10/29/04

By: Brett A. Hertzberg  
 Name: Brett A. Hertzberg  
 Reg. No.: 42,660

GEN033.DOT



11:03AM FROM-MERCHANT &amp; GOULD P.C.

206-342-6201

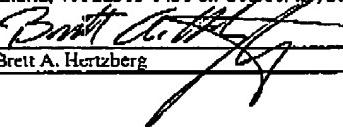
T-348 P.002/006 F-971

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven Michael Barrow et al. Examiner: Kenneth B. Wells  
Serial No.: 10/658,505 Group Art Unit: 2816  
Filed: September 9, 2003 Docket: 50019.253US01/P05299  
Confirmation No.: 1781  
Title: TWO COMPARATOR VOLTAGE MODE PWM

**CERTIFICATE UNDER 37 CFR 1.6(d):**

I hereby certify that this correspondence and the papers described herein are being transmitted via facsimile to 703-746-4000, ATTN: Issue Fee, Commissioner for Patents, 1 P.O. Box 1450, Alexandria, VA 22313-1450 on October 29, 2004.

By:   
Name: Brett A. Hertzberg

VIA FACSIMILE #703-746-4000  
ATTN: ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

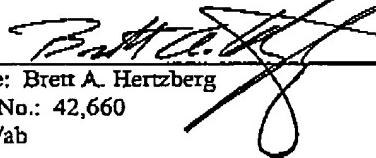
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Facsimile
- Part B - Fee(s) Transmittal (in duplicate)
- Fee Address Indication Form
- Charge Deposit Account No. 13-2725 in the amount of \$1400 (issue fee & 10 patent copies)

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
206.342.6200

By:   
Name: Brett A. Hertzberg  
Reg. No.: 42,660  
BAH/ab

23552  
PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - GENERAL)